

Appl. No. 10/087,201

PATENT

Amdt. dated October 2, 2003

Reply to Office Action of September 11, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A graphical display apparatus for motor vehicles, the display comprising:

a display coupled to an interior portion of a motor vehicle and facing a driver of the motor vehicle, the display being coupled to an output for identifying a velocity value of the motor vehicle;

a first graphical display portion of the display for outputting a first current speed indication of the motor vehicle using a first convention, the first graphical display portion for the first current speed indication being coupled to the output; and

a second graphical display portion of the display for outputting a second current speed indication of the motor vehicle using a second convention, the second graphical display portion being coupled to the first graphical display portion such that the first current speed indication in the first convention is aligned to the second current speed indication in the second convention;

wherein the first graphical display portion comprises a first annular structure that appears to revolve about a fixed axis and displays the current speed indication on the first annular structure.

2. (Original) The graphical display of claim 1 wherein the first convention is miles per hour and the second convention is kilometers per hour.

3. (Original) The graphical display of claim 1 wherein the first current speed indication is larger in size than the second current speed indication.

Appl. No. 10/087,201

Amdt. dated October 2, 2003

Reply to Office Action of September 11, 2003

PATENT

4. (Original) The graphical display of claim 1 wherein the display is selected from a CRT, a flat panel display, an active matrix display, or a plasma display.

5. (Original) The graphical display of claim 1 wherein the motor vehicle is an automobile.

6. (Currently Amended) The graphical display of claim 1 wherein the second graphical display portion comprises first current speed indication is an a second annular structure that appears to revolve about a the fixed axis and displays the second current speed indication on the second annular structure.

7. (Currently Amended) The graphical display of claim 6 wherein the second graphical display portion is external to the first graphical display portion current speed indication is an annular structure that appears to revolve about the fixed axis.

8. (Original) The graphical display of claim 1 wherein the first current speed indication is among a range of speeds from zero to greater than 100 miles per hour.

9. (Original) The graphical display of claim 1 wherein the second current speed indication is among a range of speeds from zero to 200 kilometers per hour.

10. (Original) The graphical display of claim 1 wherein the first current speed indication and the second current speed indication are displayed simultaneously.

11. (Currently Amended) A method for displaying engine characteristics of motor vehicles, the method comprising:

receiving a velocity information from an interface coupled to an engine of an operating motor vehicle, the velocity information corresponding to only one of a plurality of velocities ranging from zero to greater than 100, the velocity information corresponding to one of the plurality of velocities of the operating motor vehicle at a present time of receiving the velocity information;

Appl. No. 10/087,201

Amdt. dated October 2, 2003

Reply to Office Action of September 11, 2003

PATENT

converting the velocity information into a velocity display format; and

displaying using an annular configuration a first velocity indication in a first convention giving an appearance of rotation about a fixed axis based upon the velocity display format, the first velocity indication being one of the velocities based upon the velocity information of the operating motor vehicle and being displayed on the annular configuration.

12. (Original) The method of claim 11 wherein the velocity indication shows speed of the motor vehicle.

13. (Original) The method of claim 11 further comprising displaying using an annular configuration a second velocity indication in a second convention giving an appearance of rotation about the fixed axis based upon the velocity display format, the first velocity indication being coupled to the second velocity indication.

14. (Original) The method of claim 11 wherein the annular configuration is oriented in a vertical manner.

al  
cont.  
15. (Original) The method of claim 11 wherein the first convention is miles per hour.

16. (Original) The method of claim 11 wherein the fixed axis is perpendicular to the annular configuration.

17. (Original) The method of claim 11 further comprising displaying using an annular configuration a second velocity indication in a second convention giving an appearance of rotation about the fixed axis based upon the velocity display format, the first velocity indication being coupled to the second velocity indication and the first velocity indication being displayed simultaneously as the second velocity indication.

18. (Original) The method of claim 17 wherein the first convention is miles per hour and the second convention is kilometers per hour.

Appl. No. 10/087,201

PATENT

Amtd. dated October 2, 2003

Reply to Office Action of September 11, 2003

19. (New) A graphical display apparatus for motor vehicles, the display comprising:

a display coupled to an interior portion of a motor vehicle and facing a driver of the motor vehicle, the display being coupled to an output for identifying a velocity value of the motor vehicle;

a first graphical display portion of the display for outputting a first current speed indication of the motor vehicle using a first convention, the first graphical display portion for the first current speed indication being coupled to the output; and

a second graphical display portion of the display for outputting a second current speed indication of the motor vehicle using a second convention, the second graphical display portion being coupled to the first graphical display portion such that the first current speed indication in the first convention is aligned to the second current speed indication in the second convention;

wherein the first current speed indication is a first annular structure that appears to revolve about a fixed axis; and

wherein the second current speed indication is a second annular structure that appears to revolve about the fixed axis.

20. (New) The graphical display of claim 19 wherein the second graphical display portion is external to the first graphical display portion.